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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,555	02/23/2004	Paul D. Stevenson	GP-303797	8671
75	590 11/22/2005		EXAMINER	
LESLIE C. HODGES			PANG, ROGER L	
General Motors Corporation Mail Code 482-C23-B21			ART UNIT	PAPER NUMBER
P.O. Box 300			3681	
Detroit, MI 48265-3000			DATE MAIL FD: 11/22/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/784,555	STEVENSON, PAUL D.				
Office Action Summary	Examiner	Art Unit				
	Roger L. Pang	3681				
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet with t	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutore. - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA- 1.136(a). In no event, however, may a reply od will apply and will expire SIX (6) MONTHS tute, cause the application to become ABANI	TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 14	October 2005.	·				
·— · · ·	his action is non-final.					
closed in accordance with the practice unde						
Disposition of Claims						
4) Claim(s) <u>1-9,11 and 12</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) 6 is/are allowed.						
6)⊠ Claim(s) <u>1,2,7 and 9</u> is/are rejected.	6)⊠ Claim(s) <u>1,2,7 and 9</u> is/are rejected.					
7)⊠ Claim(s) <u>3-5, 8, 11-12</u> is/are objected to.	7) Claim(s) <u>3-5, 8, 11-12</u> is/are objected to.					
8) Claim(s) are subject to restriction and	d/or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Exam	iner.					
10) The drawing(s) filed on is/are: a) ☐ a	ccepted or b) objected to by	the Examiner.				
Applicant may not request that any objection to t	he drawing(s) be held in abeyance	. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the corr						
11)☐ The oath or declaration is objected to by the	Examiner. Note the attached C	office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for fore a) ☐ All b) ☐ Some * c) ☐ None of:		19(a)-(d) or (f).				
1. Certified copies of the priority docume		lination No.				
2. Certified copies of the priority docume3. Copies of the certified copies of the p						
application from the International Bur	•	ceived in this National Stage				
* See the attached detailed Office action for a		ceived				
Oct the attached detailed office determined	iot of the continue copies have					
Attachment(s)		•				
1) Notice of References Cited (PTO-892)		nmary (PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date		Mail Date rmal Patent Application (PTO-152)				

DETAILED ACTION

The following action is in response to the amendment filed for application 10/784,555 on October 14, 2005.

Claim Objections

Claims 8 (with its dependency upon claim 7), 11 and 12 are objected to under 37 CFR 1.75 as being a substantial duplicate of claims 3 (with its dependency on claim 1), 4, and 5, respectively. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-2, 7, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hayabuchi '287 in view of Filanovsky '513. With regard to claims 1 and 7, Hayabuchi teaches a multi-speed transmission, comprising: an input shaft 11; an output shaft 19; a planetary gear arrangement having first, second and third planetary gear sets, each planetary gear set having a ring gear, sun gear and carrier (Fig. 1), said input shaft being continuously interconnected with said carrier C1 of the third planetary gear set, said output shaft being continuously interconnected with said ring gear R3 of the first planetary gear set; said ring gear of the second

planetary gear set \$2 being integrally connected with said ring gear of the third planetary gear set R3, and said carrier C2 of the second planetary gear set being continuously connected with said carrier of the first planetary gear set; said second planetary gear set being a compound planetary gear set with pinion gears, and said first and third planetary gear sets being simple planetary gear sets with pinion gears (Fig. 1); a first clutch C-1 selectively interconnecting said ring gear of the third planetary gear set with said sun gear of the second planetary gear set S2; a second clutch C-2 selectively interconnecting said ring gear of the third planetary gear set with said sun gear of the first planetary gear set S3; a third clutch C-3 selectively interconnecting said carrier of the third planetary gear set with said carrier of the first planetary gear set; a fourth clutch C-4 selectively interconnecting said carrier of the third planetary gear set with said sun gear of the first planetary gear set S3; a first brake B-1 selectively interconnecting said sun gear of the second planetary gear set with a transmission housing; a second brake B-2 selectively interconnecting said carrier of the second planetary gear set with said transmission housing; and said first, second, third and fourth clutches, and first and second brakes being engaged in combinations of two to establish at least seven forward speed ratios and a reverse speed ratio between said input shaft and said output shaft (Fig. 2). Haybuchi lacks the teaching of said pinion gears of said simple and compound gear sets being separate from each other such that no pinion is hared by said simple and compound planetary gear sets. Filanovsky teaches a similar transmission, wherein a common carrier is connected to planet a compound and simple planetary gearsets, sharing the same ring gears 110A/112A, but having separate pinion gears (Fig. 2) meshing with said ring gears. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Hayabuchi to employ separate pinion gears in view of

Filanovsky, since is has been held that constructing a formerly integral structure in various elements involves only routine skill in the art. Nerwin v. Erlichman, 168 USPO 177, 179. With regard to claims 2 and 9, Hayabuchi teaches the transmission, wherein said first, second, third, and fourth clutches, and first and second brakes are engaged in combinations of two to establish eight forward speed ratios and a reverse speed ratio between said input shaft and said output shaft (Fig. 2).

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art only under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 103(a) might be overcome by: (1) a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not an invention "by another"; (2) a showing of a date of invention for the claimed subject matter of the application which corresponds to subject matter disclosed but not claimed in the reference, prior to the effective U.S. filing date of the reference under 37 CFR 1.131; or (3) an oath or declaration under 37 CFR 1.130 stating that the application and reference are currently owned by the same party and that the inventor named in the application is the prior inventor under 35 U.S.C. 104, together with a terminal disclaimer in accordance with 37 CFR 1.321(c). This rejection might also be overcome by showing that the reference is disqualified under 35 U.S.C. 103(c) as prior art in a rejection under 35 U.S.C. 103(a). See MPEP § 706.02(l)(1) and § 706.02(l)(2).

Allowable Subject Matter

Claim 6 is allowed.

Claims 3-5, 8 and 11-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments with respect to claims 1 and 7 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

FACSIMILE TRANSMISSION

Submission of your response by facsimile transmission is encouraged. The central facsimile number is (571) 273-8300. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see MPEP 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee which applicant is paying by check should not be submitting by facsimile transmission separately from the check.

Application/Control Number: 10/784,555

Art Unit: 3681

(Signature)

Responses submitted by facsimile transmission should include a Certificate of Transmission (MPEP 512). The following is an example of the format the certification might take:

I hereby certify that this correspondence is being facsimile transmitted to the Patent and					
Trademark Office (Fax No. (571) 273-8300) on (Date)					
Typed or printed name of person signing this certificate:					
<u> </u>					

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roger L. Pang whose telephone number is 571-272-7096. The examiner can normally be reached on 5:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 571-272-7095. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Roger L Pang Primary Examiner Art Unit 3681

November 15, 2005